

U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
in cooperation with
Cotton Economic Research and
Bureau of Business Research of
The University of Texas at Austin

CLIMATOGRAPHY OF THE UNITED STATES NO. 20-41

LATITUDE 32° 45' N
LONGITUDE 99° 54' W
ELEV. (GROUND) 1700 ft.

CLIMATOLOGICAL SUMMARY

STATION ANSON, TEXAS

MEANS AND EXTREMES FOR PERIOD 1959-1969

Month	Temperature (°F)								** Mean degree days	Precipitation Totals (Inches)							Mean number of days					Month	
	Means			Extremes						Mean	Greatest daily	Year	Snow, Sleet					Precip. 10 inch or more	Temperatures				
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Mean					Maximum monthly	Year	Greatest Depth	Year	90° and above		Max.		Min.		
																			32° and below	32° and below	0° and below		0° and below
(a)	11	11	11	11		11		11	11	11		11	11				11	11	11	11	11		
Jan	58.5	31.5	45.0	82	1967	4	1966	613	1.44	1.80	1968	1.4	14.3	1966	Insufficient data		3	0	1	17	0	Jan	
Feb	62.2	34.6	48.4	89	1962	9	1960	481	1.25	1.40	1969	1.7	7.0	1961			3	0	1	12	0	Feb	
Mar	70.3	42.5	56.4	96	1967+	13	1962	318	1.06	1.58	1968	1.2	5.0	1968			3	2	*	7	0	Mar	
Apr	82.0	54.2	68.1	100	1959	28	1959	63	1.87	2.10	1966	0					3	6	0	*	0	Apr	
May	87.3	62.4	74.9	107	1967	36	1967	11	3.62	3.62	1965	0					5	14	0	0	0	May	
Jun	92.4	68.7	80.6	107	1960	50	1964	*	3.69	3.88	1961	0					4	22	0	0	0	Jun	
Jul	96.6	73.1	84.9	105	1969	61	1964	0	2.65	3.10	1960	0					3	28	0	0	0	Jul	
Aug	96.2	72.1	84.2	108	1969+	54	1961	0	1.82	3.41	1963	0					2	28	0	0	0	Aug	
Sep	88.5	65.6	77.1	105	1959	41	1967	3	3.18	3.12	1962	0					4	14	0	0	0	Sep	
Oct	80.7	54.7	67.7	99	1968	35	1969+	68	2.34	4.56	1959	0					3	4	0	0	0	Oct	
Nov	69.2	44.5	56.9	88	1965+	18	1959	264	1.54	1.65	1961	0					2	0	0	4	0	Nov	
Dec	59.3	35.3	47.3	85	1966	10	1966	544	1.14	1.05	1960	T	T	1967			3	0	1	13	0	Dec	
Year	78.6	53.3	66.0	108	Aug. 1969+	4	Jan. 1966	2365	25.60	4.56	Oct. 1959	4.3	14.3	Jan. 1966			38	118	3	53	0	Year	

(a) Average length of record, years.

+ Also on earlier dates, months, or years.

† Trace, an amount too small to measure.

* Less than one half.

** Base 65°F

THE CLIMATE OF ANSON, TEXAS

Anson is the county seat and agribusiness center of Jones County. Both town and county were named for the last Republic of Texas president, Anson Jones. Located within the Abilene metropolitan area, Jones County has an economy based largely on oil and agribusinesses. Three-fourths of the agricultural income is derived from cotton and small grains; about 5,000 acres are irrigated. Cattle and sheep also contribute to the agricultural economy. Jones County is level to rolling prairie, drained by the Clear Fork of the Brazos River. Elevations range from 1,600 to 2,000 feet above sea level. Since 1926, Jones County has produced more than 155 million barrels of oil; gas, sand and gravel also are produced.

Recreational activities are provided by water sports, including fishing of course, at Lake Fort Phantom Hill, located in the southeastern corner of the county. At Anson, annual events include the famous Cowboy's Christmas Ball, and the July Fourth Cowboy Reunion.

Anson has a warm-temperate, subtropical climate, characterized by dry winters and hot humid summers. Although largely controlled by the Gulf of Mexico source region during the warmer months, the climate is continental; thus, Anson experiences a wide annual range in temperature.

The rainfall pattern is somewhat typical of the southern Great Plains with a maxima in late spring and early summer (May and June) a secondary maxima in early fall (September). Most of the precipitation falls as warm season thundershowers and wide variations in amounts occur, both geographically and with time. In exceptionally wet years, at least a portion of the rainfall is lost to the land due to rapid runoff of high intensity showers. Approximately three-fourths of the average annual rainfall of 25.60 inches falls during the warm season, April through October.

Although temperature changes are frequent and occasionally large in winter, when Polar Canadian air masses plunge southward across the area, Anson winters are mild. Cold spells rarely last longer than 48 hours before rapid warming occurs. Even in January, mild sunny weather is frequent.

Mean snowfall is 4.3 inches annually; however, this value is misleading. A few rare, exceptionally heavy snows bias the mean for long periods of years so that this statistic usually over estimates the amount of snow to be expected in any given year. Almost as frequent as snow are the occasional ice or sleet storms that make travel hazardous for a few hours at a time.

Mid-summer temperatures are hot; however, the high temperatures are usually associated with southerly or southwesterly winds and low humidity. Air-conditioning is recommended for maximum comfort indoors or for travel. Evaporative-type home air conditioners operate effectively more than 90 percent of the time.

The prevailing winds at Anson are southerly to southeasterly throughout the year. The strongest sustained winds occur during March and April and are associated with the passage of cold fronts. Thunderstorms occur on 41 days in an average year; a few of these may be accompanied by damaging wind or hail. Anson receives abundant sunshine, which averages 63 percent of the total possible in winter, 68 percent in spring, 78 percent in summer and 71 percent in fall. At noon, Central Standard Time, relative humidity is estimated at 52 percent in January, 45 percent in April, 45 percent in July and 49 percent in October.

The mean length of the warm season (freeze free period) at Anson is 223 days. The mean dates of the last occurrence of 32°F or below in the spring and the first occurrence of 32°F or below in the fall are March 31 and November 9, respectively. In an average year free water (lake) evaporation exceeds precipitation by 44 inches.

ANSON, TEXAS

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1959	45.4	45.6	51.1	66.0	75.5	79.9	80.4	83.2	80.7	65.5	50.1	49.9	-
1960	42.0	49.6	59.3	68.3	74.6	83.7	84.7	84.0	78.6	69.8	58.9	42.3	65.6
1961	41.9	56.4	55.1	65.7	78.4	77.4	80.1	80.8	75.0	66.3	52.2	47.1	64.4
1962	42.4	49.8	62.3	72.4	76.3	80.3	86.6	86.2	79.2	73.7	56.4	48.1	66.4
1963	48.1	45.8	57.9	69.9	76.6	81.6	88.1	86.8	76.5	66.4	58.2	49.7	67.1
1964	50.4	47.5	49.0	69.4	73.4	80.2	86.2	81.5	79.9	66.1	58.2	49.7	67.1
1965	49.7	45.1	50.5	66.3	73.5	81.2	87.8	81.5	75.3	65.0	52.9	45.7	65.3
1966	49.3	45.0	55.0	62.9	73.1	83.2	84.6	83.9	73.1	66.3	56.1	45.5	67.0
1967	45.2	49.4	48.8	68.1	73.3	80.8	88.7	86.8	76.7	63.9	54.9	49.0	-
1968	-	-	-	-	-	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-	-

ANSON, TEXAS

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1959	0.06	0.79	0.62	0.85	4.37	3.58	6.27	1.46	1.03	5.38	0.42	2.18	27.21
1960	1.99	1.39	0.09	0.54	2.02	0.70	4.86	0.46	1.71	4.36	T	2.70	20.82
1961	3.28	2.30	1.47	2.29	1.68	11.24	7.59	0.35	3.46	1.16	4.20	0.65	37.38
1962	T	0.05	1.89	0.90	0.90	8.71	1.76	0.16	7.28	2.34	0.25	0.94	26.57
1963	0.12	0.34	0.04	2.52	6.93	4.60	1.56	3.92	0.65	0.16	2.41	0.58	23.83
1964	1.80	1.88	1.43	1.15	4.36	1.82	T	3.71	0.75	0.75	1.79	0.42	20.43
1965	2.21	1.28	0.35	1.93	9.22	2.53	0.66	1.14	3.17	5.19	0.28	0.99	28.95
1966	1.42	0.63	T	6.85	T	0.94	1.85	5.17	4.85	1.04	0.42	T	23.17
1967	T	2.58	0.46	0.67	2.25	1.38	3.02	0.20	5.03	2.10	1.76	1.16	18.33
1968	4.74	2.58	2.95	2.10	2.37	1.88	1.29	0.46	0.70	0.32	4.03	0.51	23.93
1969	0.13	2.19	2.37	1.63	5.75	3.16	0.27	3.04	5.76	2.75	1.43	2.39	30.92

T - Trace

STATION HISTORY

Some of the earliest weather records in Texas history were taken near Anson. These were at Fort Phantom Hill, about 15 miles southeast of Anson, from September 1, 1852 through February 28, 1854. A span of 44 years elapsed before weather records were begun again in the Anson area. On January 1, 1898, a rainfall reporting station was established at Anson. J. T. Wright was appointed Cooperative Weather Observer, and some member of the Wright family served as cooperative observer until the station closed again on June 29, 1949. A standard climatological station for measuring daily maximum and minimum temperature and precipitation was again established at Anson, 0.3 mile southwest of the post office building on August 22, 1957. On March 13, 1959 the station was relocated to the City Water Plant, 0.8 mile south of the post office, and C. M. Rice was appointed cooperative observer. The station was moved to Mr. Rice's residence, at 1932 Avenue F, 0.7 mile south of the post office, on May 1, 1965. Daily temperature and precipitation data are published monthly in Climatological Data-Texas: station index number 41-0268-02.

Environmental Data Service
National Oceanic and Atmospheric Administration
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Single copies of this summary are available without charge from the Bureau of Business Research, The University of Texas, Austin, Texas, 78712. Quantity rates upon request.

Monthly Temperatures and Precipitation

